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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Confirmation No. 8945

Application No.: 10/655,985 )  
)  
Filing Date: September 5, 2003 )  
)  
Applicant(s): Guoming G. Zhu et al. )  
)  
Group Art Unit: 2863 )  
)  
Examiner: Michael P. Nghiem )  
)  
Title: Methods of Diagnosing )  
Open-Secondary Winding of )  
An Ignition Coil Using The )  
Ionization Current Signal )  
)  
Attorney Docket: 46107-0091 )

**AMENDMENT AND RESPONSE**

Commissioner For Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

This is in response to the Office Action dated December 15, 2004, for which the three-month shortened statutory period for response expires on March 15, 2005. Kindly consider the remarks set forth below.

**Amendments to the Specification** begin on page 2 of this paper.

**A Listing of the Claims** begin on page 3 of this paper.

**Amendments to the Drawings** begin on page 9 of this paper and include two attached replacement sheets.

**Remarks** begin on page 10 of this paper.

An **Appendix** including amended drawing figures is attached following page 13 of this paper.